

MODULE II

GENERAL FACILITY CONDITIONS

II.A. DESIGN AND OPERATION OF FACILITY

II.A.1 The Permittee shall comply with R315-8-3.2

II.A.2 Compliance Schedule. The Permittee shall not initiate any treatment activity in the Rapid Response System until the Facility Construction Inspection and operational checks have been completed and the Executive Secretary has issued written approval.

II.A.3 The Permittee is not authorized and therefore shall not treat hazardous wastes that are not currently stored, as of the effective date of this permit, on-site at the Deseret Chemical Depot.

II.B. CONSTRUCTION CERTIFICATION

II.B.1 Construction certification shall be in accordance with Condition I.W and R315-3-10(l)(2).

II.B.2 The Permittee shall not place into service the Rapid Response System treatment unit until the Executive Secretary has in writing accepted the construction certification.

II.B.3 Additions and construction changes in accordance with Condition I.W. to the waste management treatment unit regulated by this permit shall be documented by “as-built” drawings and the appropriate professional engineering certifications.

II.B.4 After review of the drawings and field verification of the facilities, the Executive Secretary will notify the Permittee in writing of any change which the Executive Secretary concludes does not satisfy the operating requirements of this permit. If it is established that such changes are permit violations, the Executive Secretary may require the Permittee to remove and replace any construction inconsistencies with any approved designs and specifications.

II.B.5 The Permittee shall perform the activities of the Rapid Response System according to the processes and procedures identified in Attachment 2.

II.B.6 The Permittee shall, in accordance with II.B, perform a carbon air filter system leak test to verify the proper installation of the two ASZM-TEDA carbon air filter elements for the Rapid Response System carbon air filter system. Approval by the Executive Secretary will be required for the leak test. Subsequent changeouts and leak tests must be documented in the Operating Record. The Permittee shall not place into service the Rapid Response System treatment unit until the Executive Secretary has received and approved the carbon air filter system leak test certification.

II.C. **WASTE ANALYSIS PLAN**

II.C.1 The Permittee shall follow the procedures of the Waste Analysis Plan, included in Attachment 4.

II.C.2 The Permittee shall document efforts to meet the data quality objectives (DQO) defined in the quality assurance methods included with this Waste Analysis Plan. Chemical agent analytical results that the Permittee believes are usable, but which do not meet DQOs shall be qualified and explained in the Operating Record. The Executive Secretary may periodically review the validity of analytical results and may require the Permittee to collect additional samples or provide additional information.

II.C.3 The Permittee may use generator knowledge to show that some CAIS and/or CAIS items identified in Attachment 4 are hazardous waste to be treated as part of the Rapid Response System activities. The Permittee shall maintain documentation such as Raman spectra, Deseret Chemical Depot inventory records, or other historical records that support the generator's claim.

II.C.4 All RCRA analyses will be performed by a laboratory certified by the State of Utah for those parameters. No samples collected from waste containing greater than 50 ppm of chemical agent will be sent to an offsite laboratory.

II.C.5 Quality Control Plan - Compliance Schedule. The Permittee shall submit a Quality Control Plan for the Rapid Response System to the Executive Secretary for approval prior to the start of operations. No chemical agent or CAIS chemicals shall be treated in the Rapid Response System until the Quality Control Plan is approved by the Executive Secretary. The approved Quality Control Plan will be incorporated in the Permit as a class 1 permit modification with prior approval as specified by R315-3-15, and shall be included as Appendix 3 of Attachment 4.

II.C.6 The following waste streams from the Rapid Response System will be subject to Level 1 air emission controls as specified in R315-8-22:

- Chemical agent-chemical contaminated dunnage requiring treatment;
- Treatment residues/wastes requiring offsite treatment/disposal;
- Decontaminated dunnage waste streams; and
- Neutralent waste streams.

II.C.7 The Permittee may either collect samples or use generator knowledge for the purpose of demonstrating compliance with the air emission standards of R315-8-22. If sampling is used, the Permittee shall ensure that a representative number of samples is obtained from each neutralent waste drum and decontaminated dunnage drum as specified in Condition II.C.5.

II.C.8 The Permittee shall subject all samples obtained for air emission waste determination to the sampling and analysis quality assurance/quality control procedures specified by R315-8-22 and Attachment 4.

II.C.9 The Permittee shall document the waste determination performed in Conditions II.C.2 through II.C.7 and all associated information in the operating record, as required by Condition II.I, to satisfy recordkeeping requirements of R315-8-22.

II.D. **SECURITY PROCEDURES**

II.D.1 The Permittee shall comply with the Security Procedures as contained in Attachment 7.

II.D.2 The Permittee shall ensure that at all operations that involve access to any chemical agent at least two personnel are present that must: (1) be able to detect incorrect or unauthorized procedures; (2) be familiar with applicable safety and security requirements; (3) maintain visual contact with the other person in order to detect unauthorized actions and to be able to rescue or give first aid should a person start displaying signs or symptoms in case of an accident or incident; and (4) ensuring that adequate supplies such as required decontaminating solutions are on hand and have been tested for potency.

II.E. **INSPECTION PLAN**

II.E.1. The Permittee shall follow the Inspection Procedures, included as Attachment 6.

II.E.2. The Permittee shall remedy any deterioration or malfunction as required by R315-8-2.6(c). If the remedy is expected to require more than seventy-two (72) hours from the time the problem or malfunction is detected, the Permittee shall submit to the Executive Secretary, before the expiration of the seventy-two (72) hour period, a proposed time

schedule for correcting the problem or malfunction.

- II.E.3. Records of inspection shall be kept as required by R315-8-2.6(d). The Permittee may conduct inspections more frequently than are required by R315-8-16; however, those records need not be maintained as part of the operating record.
- II.E.4. Any problem which could endanger human health or the environment shall be immediately documented in the operating record and corrected as soon as possible after the problem is discovered. The Permittee shall make every effort to eliminate the threat to human health or the environment within twenty-four (24) hours.
- II.E.5. Problems found during periodic inspections conducted under this Module shall be corrected within the time frame stipulated in Condition II.E.2. and II.E.4. If, upon determination by the Executive Secretary or the Permittee, continued operation of the hazardous waste management unit involved in the inspection could endanger human health or the environment, the Permittee shall cease operation of the unit until the problem has been corrected. The Permittee shall be allowed to undertake those operations which are part of the corrective activities.
- II.E.6. The Permittee shall maintain a record of each carbon air filter element installation verification conducted in accordance with III.I.13. The Permittee shall maintain the Rapid Response System Site Supervisor's verification as part of the operating record.
- II.E.7. The Permittee shall inspect containers using Level 1 and Level 2 air emission controls specified by R315-8-22, as follows:
 - II.E.7.a. All containers used for storage must be equipped with a cover and closure devices that form a continuous barrier over the container openings with no visible holes, gaps, or other open spaces, or shall comply with relevant DOT regulations on packaging hazardous materials for transportation under 49 CFR Parts 107, 172, 173, 178, 179, and 180.
 - II.E.7.b. If any defect is detected, the Permittee shall correct the defects as required by R315-8-22.
- II.E.8. The Permittee shall maintain records of the air emission monitoring inspections conducted at the Rapid Response System as required by R315-8-5.3.

II.F. **TRAINING PLAN**

- II.F.1. The Permittee shall, in accordance with R315-8-2.7, ensure that all personnel who handle

hazardous waste are trained in hazardous waste management, safety procedures and emergency procedures, as applicable to their job description in accordance with the Training Plan, Attachment 5, and documentation of training shall be maintained as specified in R315-8-2.7.

II.F.2. The Permittee shall maintain a copy of the Training Plan, included as Attachment 5, at the site of Rapid Response System operations until the Rapid Response System is fully closed in accordance with Condition II.J.

II.F.3 The Permittee shall ensure that all personnel are trained in the air emission control requirements of R315-8-18 and R315-8-22, as applicable.

II.G. PREPAREDNESS AND PREVENTION

II.G.1. The Permittee shall follow the Preparedness and Prevention Plan included as Attachment 3.

II.G.2. The Permittee shall perform preventative maintenance and repair of the equipment necessary for Rapid Response System operations, at a minimum, in accordance with R315-8-3.4. The Permittee shall maintain records of these preventative maintenance and repair activities on this equipment and schedules, reflecting minimum frequency for the performance of these preventative maintenance activities in the operating record at the site of Rapid Response System operations in accordance with Condition I.R.

II.H. CONTINGENCY PLAN

II.H.1. Implementation of Plan The Permittee shall follow the procedures outlined in the Contingency Plan, included as Attachment 9, and follow the emergency procedures described by R315-8-4.7: whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threaten or could threaten human health or the environment. The Permittee shall comply with R315-9 and Condition I.Y. in reporting releases to the Executive Secretary.

II.H.2. Copies of Plan. The Permittee shall comply with the requirements of R315-8-4.4.

II.H.3. Amendments to Plan. The Permittee shall review the Contingency Plan in accordance with R315-8-4.5. The Permittee shall immediately amend, if necessary, the Contingency Plan, as specified by R315-3-15.

II.H.4 Emergency Coordinator. A trained emergency coordinator shall be available at all times in case of an emergency, as required by R315-8-4.6. The names, addresses, and

telephone numbers of all persons qualified to act as emergency coordinators shall be supplied to the Executive Secretary as required by R315-8-4.3(c), as included in Attachment 9.

II.I. RECORDKEEPING AND REPORTING

II.I.1. In addition to the recordkeeping and reporting requirements specified elsewhere in this permit the Permittee shall comply with the following:

II.I.1.a. The Permittee shall maintain a written operating record at the Facility, in accordance with R315-8-5.3 for all records identified in R315-8-5.3.:-

II.I.1.b. The Permittee shall, by March 31 of each year, submit to the Executive Secretary a certification pursuant to R315-8-5.3, signed in accordance with R315-3-8, that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that is generated to the degree determined by the Permittee to be economically practicable; and the proposed method of treatment, is the most practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment.

II.I.1.c The Permittee shall submit a biennial report covering the Rapid Response System activities to the Executive Secretary in accordance with R315-8-5.6 and R315-3-10(l)(9).

II.I.1.d. The Permittee shall submit additional reports to the Executive Secretary in accordance with R315-8-5.8.

II.I.1.e. All reports, notifications, applications, or other materials required to be submitted to the Executive Secretary shall be submitted at the address shown in Condition I.V.4.a.

II.I.1.f The Permittee shall maintain all records and reports required by R315-8-22 and R315-8-5.3 in the Operating Record at the facility

II.J. CLOSURE

II.J.1. The Permittee shall meet the general closure performance standard as specified in R315-8-7 (40 CFR 264.111 incorporated by reference) during closure of the Rapid Response System hazardous waste management unit at Deseret Chemical Depot. Compliance with R315-8-7 (40 CFR Section 264.111 incorporated by reference) shall require closure of the hazardous waste management unit in accordance with Condition II.J. and the Closure

Plan.

- II.J.2. For the Rapid Response System hazardous waste management units, minor deviations from the permitted closure procedures necessary to accommodate proper closure shall be described in a narrative form with the closure certification statements. The Permittee shall describe the rationale for implementing minor changes as part of this narrative report. Within sixty (60) calendar days after completion of closure of the hazardous waste management unit the Permittee shall submit the certification statements and narrative report to the Executive Secretary.
- II.J.3. The Permittee shall amend the Closure Plan in accordance with R315-8-7 whenever necessary and, upon approval, request a permit modification in accordance with R315-3-15.
- II.J.4. The Permittee shall provide certification statements that the Rapid Response System hazardous waste management unit has been closed in accordance with the applicable specifications in the Closure Plan as required by R315-8-7.
- II.J.5. The Permittee shall notify the Executive Secretary at least forty-five (45) calendar days prior to the date it expects to begin closure of the Rapid Response System hazardous waste management units.
- II.J.6. The Permittee shall treat all hazardous waste within ninety (90) days of the receipt of the final volume of hazardous waste at the hazardous waste management unit and shall complete closure activities at the hazardous waste management unit within one hundred eighty (180) days of the receipt of the final volume of hazardous waste, in accordance with R315-8-7 of the Rules.
- II.J.7. The Permittee shall not commence mobilization of the Rapid Response System prior to receipt of letter from Executive Secretary approving mobilization of the Rapid Response System.
- II.J.8. Closure Plan - Compliance Schedule

The Permittee shall submit a completed closure plan as specified in II.J for approval by the Executive Secretary not later than ninety (90) calendar days after the effective date of this permit, in accordance with I.V.4. The Closure Plan shall describe the procedures necessary to accommodate the proper closure of the hazardous waste management unit. The completed Closure Plan shall be submitted as a class 2 permit modification request as specified by R315-3-15 and, upon approval, shall be incorporated into this permit as Attachment 11.

II.K. EQUIVALENT MATERIALS/INFORMATION

If certain equipment, materials, and administrative information (such as names, phone numbers, addresses) are specified in this permit, the Permittee is allowed to use an equivalent or superior except for the Emergency Coordinator. Use of such equivalent or superior items shall not be considered a modification of the permit, but the Permittee shall place in the operating record (prior to the institution of such revision) the revision, accompanied by a narrative explanation, and the date the revision became effective. The Executive Secretary may judge the soundness of the revision during inspections of the Rapid Response System and take appropriate action. The format of tables, forms, and figures, is not subject to the requirements of this permit, and may be revised at the Permittee's discretion.

II.L. FINANCIAL ASSURANCE FOR FACILITY CLOSURE

The Permittee is exempt from the closure financial assurance requirements, in accordance with R315-8-8.

II.M. LIABILITY REQUIREMENTS

The Permittee is exempt from the liability coverage for sudden and accidental occurrence requirements, in accordance with R315-8-8.

II.N. MONITORING REQUIREMENTS

II.N.1 The Permittee shall perform monitoring in accordance with Attachment 8, the Site Environmental Monitoring Plan.

II.N.2 Any MINICAMS alarm for mustard (H, HD, HN-1, or HN-3) outside engineering controls above the 0.2 CCL alarm setpoint shall initiate response procedures as described in Attachment 8, paragraph 8-7. Any historical DAAMS detection outside engineering controls shall initiate response procedures as described in Attachment 8, paragraph 8-2-3.

II.N.3 Any MINICAMS alarm for Lewisite (L) outside engineering controls above the 0.5 CCL alarm setpoint shall initiate response procedures as described in Attachment 8, paragraph 8-7. Any historical DAAMS detection outside engineering controls shall initiate response procedures as described in Attachment 8, paragraph 8-2-3.

II.N.4 For the purposes of monitoring, operational hours are defined as those hours during an operational day where waste treatment operations (loading, unpacking, identification and

segregation, neutralizing, repackaging, or removal of waste drums) are conducted.

II.O **ORGANIC AIR EMISSION STANDARDS**

II.O.1 The Permittee shall implement the air emission standards as specified in R315-8-22 (incorporating by reference 40 CFR 264.1080 through 264.1091) for the Rapid Response System, including:

II.O.1.a The Permittee shall perform, document, and record all waste determinations, including generator knowledge, if used, outlined by Condition II.C as required by R315-8-22. The Permittee shall include documentation of all exemptions from the requirements of air emissions for generated and treated wastes subject to process vent standards as specified in R315-8-17, organic wastes subject to equipment leak standards as specified in R315-8-18, and containers subject to air emissions standards as specified in R315-8-22.

II.O.1.b The Permittee shall maintain air emission control for all wastes in containers and for all control devices subject to R315-8-17 and R315-8-22 under the control of the Rapid Response System operators.